WHAT IS CLAIMED IS:

1. Glass comprising:

| Ingredient | wt. % |
|---|-----------------|
| SiO ₂ | 67 – 75 % |
| Na ₂ O | 10 – 20 % |
| CaO | 5 – 15 % |
| MgO | 0 – 5 % |
| A1 ₂ O ₃ | 0 – 5 % |
| K ₂ O | 0 – 5 % |
| total iron (expressed as Fe ₂ O ₃) | 0.01 to 0.30 % |
| erbium oxide | 0.01 to 0.30 % |
| cerium oxide | 0.005 to 0.30 % |

wherein the glass has visible transmission of at least 75%, a transmissive a* color value of -1.0 to +1.0, and a transmissive b* color value of -1.0 to +1.5.

2. The glass of claim 1, wherein the glass comprises:

| total iron (expressed as Fe ₂ O ₃) | 0.02 to 0.20 % |
|---|-----------------|
| erbium oxide | 0.02 to 0.20 % |
| cerium oxide | 0.01 to 0.18 %. |

3. The glass of claim 2, wherein the glass comprises:

| total iron (expressed as Fe ₂ O ₃) | 0.03 to 0.15 % |
|---|-----------------|
| erbium oxide | 0.03 to 0.13 % |
| cerium oxide | 0.03 to 0.12 %. |

- 4. The glass of claim 1, wherein the glass further comprises from 0.005 to 0.15% neodymium oxide.
- 5. The glass of claim 4, wherein the glass further comprises from 0.010 to 0.050% neodymium oxide.
- 6. The glass of claim 1, wherein the glass has a redox value (FeO/ Fe₂O₃) \leq 0.20.
- 7. The glass of claim 1, wherein the glass has a redox value (FeO/ Fe₂O₃) \leq 0.15.
- 8. The glass of claim 1, wherein the glass has a redox value (FeO/ Fe₂O₃) \leq 0.13.
- 9. The glass of claim 1, wherein the glass further comprises less than or equal to 0.020 % FeO.
- 10. The glass of claim 1, wherein the glass further comprises less than or equal to 0.015 % FeO.
- 11. The glass of claim 1, wherein the glass further comprises less than or equal to 0.011 % FeO.
- 12. The glass of claim 1, wherein the glass has a visible transmission of at least 80%.

13. The glass of claim 1, wherein the glass has a visible transmission of at least 85%.

14. A method of making glass, the method comprising: providing a glass batch comprising:

| Ingredient | wt. % |
|---|----------------|
| SiO_2 | 67 – 75 % |
| Na ₂ O | 10 – 20 % |
| CaO | 5 – 15 % |
| MgO | 0 – 5 % |
| A1 ₂ O ₃ | 0 – 5 % |
| K ₂ O | 0 – 5 % |
| total iron (expressed as Fe ₂ O ₃) | 0.01 to 0.30 % |
| erbium oxide | 0.01 to 0.30 % |
| cerium oxide and/or a nitrate | 0.005 to 2.0 % |
| neodymium oxide | 0 to 0.15 % |

melting the batch and forming a resulting glass that has visible transmission of at least 75%, a transmissive a* color value of -1.0 to +1.0, and a transmissive b* color value of -1.0 to +1.5.

15. The method of claim 14, wherein the nitrate comprises at last one of potassium nitrate (KNO₃) and sodium nitrate (NaNO₃), and the batch comprises:

total iron (expressed as Fe_2O_3) 0.02 to 0.20 % erbium oxide 0.02 to 0.20 %

cerium oxide

0.01 to 0.18 %

neodymium oxide

0 to 0.15 %.

- 16. The method of claim 14, wherein the glass has a redox value (FeO/ Fe_2O_3) ≤ 0.20 .
- 17. The method of claim 14, wherein the glass has a redox value (FeO/ Fe_2O_3) ≤ 0.15 .
- 18. The method of claim 14, wherein the glass has a redox value (FeO/ Fe_2O_3) ≤ 0.13 .
- 19. The method of claim 14, wherein after the melting the glass comprises less than or equal to 0.020 % FeO.
- 20. The method of claim 19, wherein the glass comprises less than or equal to 0.015 % FeO.
- 21. The method of claim 20, wherein the glass comprises less than or equal to 0.011 % FeO.
- 22. The method of claim 14, wherein the glass has a visible transmission of at least 80%.
 - 23. Glass comprising:

total iron (expressed as Fe₂O₃)

0.01 to 0.30 %

erbium oxide

0.01 to 0.30 %

cerium oxide

0.005 to 0.30 %.

24. The glass of claim 23, wherein the glass has visible transmission of at least 75%, a transmissive a^* color value of -1.0 to +1.0, and a transmissive b^* color value of -1.0 to +1.5.

25. The glass of claim 23, wherein the glass comprises:

total iron (expressed as Fe₂O₃)

0.02 to 0.20 %

erbium oxide

0.02 to 0.20 %

cerium oxide

0.01 to 0.18 %.

26. The glass of claim 23, wherein the glass comprises:

total iron (expressed as Fe₂O₃)

0.03 to 0.15 %

erbium oxide

0.03 to 0.13 %

cerium oxide

0.03 to 0.12 %.

- 27. The glass of claim 23, wherein the glass further comprises from 0.005 to 0.15% neodymium oxide.
- 28. The glass of claim 23, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.15 .
- 29. The glass of claim 23, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.13 .
- 30. The glass of claim 23, wherein the glass further comprises less than or equal to 0.015 % FeO.

31. The glass of claim 23, wherein the glass has a visible transmission of at least 85%.

32. A method of making glass, the method comprising providing a glass batch comprising:

total iron (expressed as Fe₂O₃):

0.01 to 0.30 %

erbium oxide:

0.01 to 0.30 %

cerium oxide and/or a nitrate:

0.005 to 2.0 %, and

using the glass batch to make glass.

33. The method of claim 32, wherein the batch comprises a nitrate in the amount (wt. %) of from 0.005 to 2.0%.

- 34. The method of claim 33, wherein the nitrate comprises at least one of potassium nitrate (KNO₃) and sodium nitrate (NaNO₃).
- 35. The method of claim 34, wherein the batch comprises at least one of potassium nitrate (KNO₃) and sodium nitrate (NaNO₃) in a total amount of from 0.2 to 1.5%.
- 36. The method of claim 32, wherein the glass has visible transmission of at least 75%, a transmissive a* color value of -1.0 to +1.0, and a transmissive b* color value of -1.0 to +1.5.
 - 37. The method of claim 32, wherein the glass comprises:

total iron (expressed as Fe₂O₃)

0.02 to 0.20 %

erbium oxide

0.02 to 0.20 %

cerium oxide

0.01 to 0.18 %.

38. The method of claim 32, wherein the glass comprises:

total iron (expressed as Fe₂O₃)

0.02 to 0.20 %

erbium oxide

0.02 to 0.20 %

neodymium oxide

0 to 0.15 %.

- 39. The method of claim 32, wherein glass comprises from 0.005 to 0.15% neodymium oxide.
- 40. The method of claim 32, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.15 .
- 41. The method of claim 32, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.13 .
- 42. The method of claim 32, wherein the glass further comprises less than or equal to 0.015 % FeO.
- 43. The method of claim 32, wherein the glass has a visible transmission of at least 85%.
 - 44. Glass comprising:

total iron (expressed as Fe₂O₃)

0.01 to 0.30 %

erbium oxide

0.01 to 0.30 %.

45. The glass of claim 44, further comprising:

total iron (expressed as Fe₂O₃)

0.02 to 0.20 %

erbium oxide

0.02 to 0.20 %.

46. The glass of claim 44, further comprising:

total iron (expressed as Fe₂O₃)

0.03 to 0.15 %

erbium oxide

0.03 to 0.13 %.

- 47. The glass of claim 44, further comprising from 0.005 to 0.15 % neodymium oxide.
- 48. The glass of claim 44, further comprising from 0.010 to 0.050 % neodymium oxide.
- 49. The glass of claim 44, further comprising from 0.005 to 0.30% cerium oxide.
- 50. The glass of claim 44, wherein the glass has visible transmission of at least 75%, a transmissive a* color value of -1.0 to +1.0, and a transmissive b* color value of -1.0 to +1.5.
- 51. The glass of claim 50, wherein the glass has a visible transmission of at least 85%.
- 52. The glass of claim 44, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.15 .

- 53. The glass of claim 44, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.13 .
- 54. The glass of claim 44, wherein the glass further comprises less than or equal to 0.015 % FeO.
 - 55. The glass of claim 44, further comprising:

 SiO_2 67 - 75 % Na_2O 10 - 20 %CaO5 - 15 %MgO0 - 5 % $A1_2O_3$ 0 - 5 % K_2O 0 - 5 %

56. Glass comprising:

neodymium oxide 0.005 to 0.15%, and erbium oxide 0.01 to 0.30 %.

57. The glass of claim 56, further comprising:

total iron (expressed as Fe_2O_3) 0.02 to 0.20 % erbium oxide 0.02 to 0.20 %.

- 58. The glass of claim 56, further comprising from 0.005 to 0.30% cerium oxide.
- 59. The glass of claim 56, wherein the glass has visible transmission of at least 75%.

- 60. The glass of claim 59, wherein the glass has a transmissive a^* color value of -1.0 to +1.0, and a transmissive b^* color value of -1.0 to +1.5.
- 61. The glass of claim 56, wherein the glass has a visible transmission of at least 85%.
- 62. The glass of claim 57, wherein the glass has a redox value (FeO/ Fe₂O₃) ≤ 0.15 .
 - 63. Glass comprising:

total iron (expressed as Fe₂O₃)

0.01 to 0.30 %

neodymium oxide

0.005 to 0.15 %.

64. The glass of claim 63, further comprising

total iron (expressed as Fe₂O₃)

0.02 to 0.20 %

erbium oxide

0.02 to 0.20 %.

- 65. The glass of claim 63, further comprising from 0.005 to 0.30% cerium oxide.
- 66. The glass of claim 63, wherein the glass has visible transmission of at least 75%, a transmissive a^* color value of -1.0 to +1.0, and a transmissive b^* color value of -1.0 to +1.5.
- 67. The glass of claim 63, wherein the glass has a visible transmission of at least 85%.

- 68. The glass of claim 63, wherein the glass has a redox value (FeO/ Fe₂O₃) <=0.15.
- 69. The glass of claim 63, wherein the glass further comprises less than or equal to 0.015 % FeO.
 - 70. The glass of claim 63, further comprising:

| SiO ₂ | 67 – 75 % |
|--------------------------------|-----------|
| Na ₂ O | 10 – 20 % |
| CaO | 5 – 15 % |
| MgO | 0 – 5 % |
| A1 ₂ O ₃ | 0 – 5 % |
| K ₂ O | 0 - 5 %. |

- 71. The glass of claim 1, wherein the glass has a visible transmission of at least 90% when having a reference thickness of from 5.5 to 5.6 mm.
- 72. The glass of claim 23, wherein the glass has a visible transmission of at least 90% when having a reference thickness of from 5.5 to 5.6 mm.
- 73. The glass of claim 44, wherein the glass has a visible transmission of at least 90% when having a reference thickness of from 5.5 to 5.6 mm.
 - 74. Glass comprising:

total iron (expressed as Fe_2O_3) 0.01 to 0.10 % cerium oxide 0.01 to 0.18 %

wherein the glass has a visible transmission of at least 85%, a transmissive a* color value of -1.0 to +1.0, and a transmissive b* color value of -1.0 to +1.5.

- 75. The glass of claim 74, wherein the glass has a redox value (FeO/ Fe_2O_3) <=0.15.
- 76. The glass of claim 74, further comprising from 0.02 to 0.20 % erbium oxide.
- 77. The glass of claim 74, wherein the glass was made using a batch comprising from 0.005 to 2.0 % of nitrate.
 - 78. The glass of claim 77, wherein the nitrate comprises NaNO₃.